PARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVE LOPMENT (SHRI EDUARDO FALEIRO) : (a) to (d) The details of Indian and foreign proposals received on various types of Ocean energy and their status are given below :

INDIAN PROPOSALS :

A pilot plant for the generation of electricity from sea waves is established at Vizhinjam, Kerala in 1991 by the Department of Ocean Development. The technology for generation of electricity is demonstrated and further efforts for stabilising the output from the plant is in progress. Techno^economic feasibility studies for construction of breakwater integrated wave energy plants at Thangas-sery (Kerala) and Mus Point (Nicobar Island) are in progress.

FOREIGN PROPOSALS :

Ocean Thermal Energy Conversion :

A proposal fiom M|s. Sea Solar Power Corporation, USA, for the establishment of 100 Mw OTEC plant at Kulasekara-patnam has been received by the Tamil-nadu Government. This has been submitted under the category of build, own and operate. The details of the project report are yet to be finalised in consultation with the Ministry of Non-Conventional Energy Sources.

Wave Energy :

A proposal for 1 Mw floating wave ppwer vessel plant in Andaman and Nicobar Jslands proposed by M|s. Sea Power AB, Sweden, also under the category of build, own and operate has been received in the Ministry of Non-Conventional Energy Sources. The detailed project is yet to be submitted by the Swedish company.

NEW SCHEMES OF OCEAN DEVELOPMENT

3223. SHRI TINDIVANAM G. VENKATRAMAN : SHRI J. S. RAJU : SHRI MISA R. GANESAN :

Will the PRIME MINISTER be pleased to state :

(a) what are details of the schemes undertaken by Government for the development of ocean by the Department of Ocean Development;

(b) what is the role played by State Governments in this task;

(c) whether there is any proposal under Government's consideration to initiate iny scheme of ocean development in Tamil Nadu; and

(d) if so, what are the places selected for the purpose ?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND PE:RTILIZERS WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE MINISTRY OF PAR LIAMENTARY AFFAIRS AND MINISTER OF STATE IN THE DE PARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVE LOPMENT (SHRI EDUARDO FALEIRO) : (a) The details of some }f the programmes of the Department are is follows :

(i) Antarctic research ;

(ii) Exploration and assessment of living and non-living resources ;

(iii) Survey and exploration of poly-metallic nodules in the Central India Ocean ;

(iv) Coastal Zone and Islands (Marine Satellite information Service—(MARSIS) ;

(v) Monitoring of marine pollution ; (vi) Marine instrumentation ;

(b) The programmes, viz. MARSIS hrough which information on poteati»l

fishing *zamh* (PFZ), using satellite data, is disseminated to the coastal fishermen and establishment of fishing vessel to shore communication system, are implemented by the Department of Ocean Development in coordination with the State Governments. The State Government* are responsible for dissemination of the PFZ information, management and maintenance of the FAX facility provided by the Gov-erment of India for receipt of PFZ information, provision of infrastructure for setting up of a VHF tower and trans-receiver system at the shore stations for establishing fishing vessel to shore communication system, management and maintenance of the system.

(c) and (d) The following are the ongoing projects in Tamil Nadu :

(i) Marine Satellite Information Service : Under the scheme the potential fishing zone maps derived from satellite data are disseminated to the coastal fishermen. A MARSIS Centre has been established at the Ins titute for Ocean Management, Anna University.

(ii) A National Institute of Ocean Technology is established in the Indian Institute of Technology, Madras.

(iii) Monitoring of marine pollution along parts of the Tamil Nadu coast.

(iv) Under the programme of providing fishing vessel to shore communication system, two shore stations at Nagapattinam and Tuficorin are proposed to be commissioned.

DEVELOPMENT OF MAHABALIPURAM UNDER OCEAN DEVELOPMENT SCHEME

3224. SHRI MISA R. GANESAN : SHRI J. S. RAJU :

Will the PRIME MINISTER be pleased to state :

(a) whether Government have elans to develop Mahabalipuram under ocean development scheme in Tamil Nadu;

(b) if so, what is the total amount to be spent on this scheme; and

(c) if not, the reasons therefor ?

THE MINISTER' OF STATE TN THE MINISTRY OF CHEMICALS AND FERTILIZERS WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE MINISTRY OF PAR LIAMENTARY AFFAIRS AND MINISTER OF STATE IN THE DE PARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVE LOPMENT (SHRI EDUARDO FALEIRO) : (a) The Government of [ndia do not have any plant to develop Mahabalipuram under ocean dvelopment scheme.

(b) Does not arise.

(c) The Development of shore areas [ike Mahabalipuram falls within the purview of the State Government.

NEED TO PROMOTE PRODUCTION AND EXPORT OF SEAFOOD

3225. SHRIMATI KAMLA SINHA : Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that, in view of the increasing levels of health consciousness in the world, the demand for seafood has increased; and

(b) if so, what steps Government intend to take to promote ecologically sound production and export of seafood as country has an extensive coastline and access to a large exclusive economic zone ?

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE MINISTRY OF PAR LIAMENTARY AFFAIRS AND MINISTER OF STATE IN THE DE PARTMENT OF ELECTRONICS AND DEPARTMENT OF OCEAN DEVE LOPMENT (SHRI EDUAJUDO